

A
Dissertation
on
The Effects of Aliment.
on
The Human Constitution
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A

Dissertation on the Effects of Aliment on
the Human Constitution

The human system, in common with other animal bodies is a curiously organised structure, consisting of compages of tubular vessels with their contained circulating fluids; tho perhaps of a more exquisite and perfect workmanship, if it be possible for human reason to designate by any characteristic marks; degrees of perfection, in the works of Divine wisdom.

This body of man, being wonderfully

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formed and the most perfectly organised machine, as it came from the hands of the Divine Architect, was first put in motion, by the impulse of his breath—For we read in the sacred volume— That God breathed into man the breath of life (that is, air) and he became a living soul; The air serving to set the beautiful image in motion.— And the influence of this impulse to action, on the originally formed body, was so powerful, as not only to continue it in exertion, for a length of time; which constitutes what is called life

but also endowed it with a power of communicating a like impulse to other organised bodies, which this animalised body had the power of forming, by the wonderful process of generation—hence the innumerable living beings, that have existed and continue to exist for a time, in their turns, by successive generations, since the creation of the parent stock, tho they must all decay, and run their course, tending ultimately to dissolution.—

As it seems to be a first law of nature that all created matter, should be subject

but in the execution it will be found to be
merely a like answer to other
opposed sides, which the committee
has the honor of presenting to the
committee of general assembly
and in the hope that the committee
will be able to report to the
house of commons in the
the course of the present week in the
they must all be ready and ready to
standing with the committee to the
the committee to be able to report
that all the committee should be ready

to continual change and transmutation,
and that all organised bodies should in
process of time become decomposed, into their
first elementary particles, preparatory to
their entering into, & forming the constituent
parts of others; In this perhaps consists
the life of the Universe, if we may be
allowed the expression. ~ ~

Man being created thus perfect, ~~was~~ placed
in a medium, affording the proper quantity
of stimuli, to keep the machine in motion,
during time, were it not subject to decay
from its own action, by slow degrees. ~

This gradual waste, to which animated
bodies are continually liable, man is capable
of counteracting, by other foreign matters
which serve to supply the loss to which
his system is ~~subject~~. For man, when
created was not only endowed with the
power of loco-motion, but in an elevated
part of his frame there is found an organ
more peculiarly and delicately formed, that
is capable of ten thousand reflex and compli-
cated motions, which constitute the mind
the noblest part of that being said to
bear the image of the Creator—the seat

the greatest waste, to which animals
belong, is continually taking place in the
of counteracting by other foreign matter
which seems to supply the loss to which
the system is subjected. In some cases
created man may only combine with the
power of decomposition, but in an elevated
kind of life, from which we find the organs
more perfectly and better organized, that
is capable of the highest life and under
certain conditions, which are not the same
the most perfect and that degree is to
be the image of the Creator.

of his reasoning powers and other faculties
- These are the characteristic ~~and~~ distinctive
marks, which rank him so much
above other animals.

Man thus animated and endowed, finds
himself impelled by intellectual springs,
to exert those powers and faculties, given
him for the purpose of enjoying life - but
soon perceives his powers enfeebled the
energy of his understanding diminished and
indeed his whole system debilitated by
reason of the exhaustion, of the body, as it
is continually wasting by degrees and the
powers and

faculties of the mind are in an equal proportion impaired, being intimately connected with the organisation of the body depending on the intercommunications in the substance of the brain.

On reflection and by attentively observing the phenomena that are constantly taking place in his body, man readily discovers the source from whence this exhaustion and consequent weakness of the powers of his system originate. He observes, an hourly and unceasing waste of his fluids in the different excrementitious matters continually

passing off by the several excretories of
his body - these evacuations tend to
exhaust and debilitate the human frame,
and teach the necessity there is of replenishing
the loss, with other matter to supply the
place of what is spent by being thrown
off by these various outlets.

~~But~~ In such a state, if ignorant of any
mode of refurnishing his system, with
nutriment matter, to sustain its equilibrium
man would be but a miserable short-lived
creature, rapidly ^{veering} to his primitive nothingness,
had it not been for a wise provision of the

Divine Creator, in forming his body, in so wonderful a manner, with various organised parts, admirably fitted for receiving and converting foreign substances into a mild fluid fitted to be united with the circulating mass, and when mixed to be distributed throughout the whole system thro' the medium of this circulating mass and deposited in the different parts and finally to become constituent parts of his body ~~is~~ subject to supply the waste it is subject to from the exertion necessary to its existence in an animated state. And scarcely would human reason

be adequate to the regular performance of such requisite duties, if it were not that man as well as other animals, are incited to take in nutritious substances by a painful sensation experienced in an important organ, the stomach, excited in it by a peculiar fluid, (secreted by certain glands,) and which is poured into the stomach in such a state as to irritate it when empty, it is called the gastric juice and produces the sensation of Hunger, to relieve which ~~we~~ are impelled to take food.

The food suitable for man commonly consists

of nutrient substances, which after undergoing the various processes of Mastication, chymification and chyli-fication—being mixed and diluted with several secreted fluids it finally becomes assimilated with the circulating mass of the system, in the lacteals and other vessels, that serve to carry the chyle to the blood vessels. —

In this way nourishment is afforded to animal bodies, for the alimentary particles being deposited in the course of their circulation, in cells &c and forming accretions that supply the loss, the body sustains by

the various secretions and excretions

After these preliminary observations I proceed to make a few remarks respecting the particular effects of aliment on the human constitution and the manner of affording the body its proper nourishment so as to preserve health and obtain a continuance of life.

The subject of diet is one of the most important, as on its being properly regulated depends in a great measure our enjoyment of health and life, yet in general too little attention is paid to it.

I believe the seeds of more of our diseases,
are taken in with our food than in any other
way, and that our health is oftener affected
by this means, than ⁱⁿ any other whatever.

The ill effects of aliment on the human
constitution, I do not think is owing so much
to the quality of the food, ^{as} the quantity. The
stomach and even the whole system which
sympathises with it, is capable of accom-
modating itself to almost any kind of
aliment, provided the change be effected
gradually. Man can so easily accommodate
himself to ^{so} many different modes of living

and to feeding on such various and discordant
articles of diet that he may be emphatically
styled an omnivorous animal. It is
the excessive indulgence in the use of any of these
articles, which are eaten that proves both det-
rimental to his health & injurious to his con-
stitution, and brings upon him pain, disease and
death. The ill effects of intemperance, in
eating, are not suddenly, so sensibly felt nor
do they destroy so soon, yet more fall victims
to their gluttony, than by pestilence, sword or
famine. Man is so infatuated, to make
the worst use of what was designed as the

greatest blessing. Not even the noxious miasmatic vapours, nor the pinching cold, that most bitter and implacable enemy to life, with which we have to contend, in preserving health, are half so destructive as intemperance in eating.

The foundation of most of our ~~diseases~~ complaints are laid in infancy & childhood, by the improper use of food & by far the greatest injury is done to the constitutions of children by it, when given in too great a quantity. It is very easy to conceive what immense mischief, may be done to the tender stomachs of ~~Children~~ the young, when we consider

How delicate & irritable this viscus is, & how quickly it is affected, tho' capable of great extension, by stuffing it with a greater quantity of aliment than can be properly digested. and then injurious effects are not confined to the stomach only, but are propagated to the rest of the system, which sympathizes with it. The stomach is disordered by the superabundant aliment, the lax and yielding vessels are distended with crude juices unsuited to the formation of proper fluids to be mixed with the blood, hence the system is oppressed with a load of gross matter

which it is compelled to get rid of by some violent effort, which frequently brings on convulsive action, & this is disease.

Man like other animals is induced to take his food from the impulse of hunger and tho' he is endowed with reasoning faculties by which, we would suppose he might regulate the manner of receiving his aliment, yet with all his boasted superiority of intellect he commits more errors in this respect than any other animal. I know of no way, in which he appears to abuse his reason so much as he does in regard to the taking

which is in complete ignorance of the
most important and highly interesting
matters of the day. The only person
who is able to give us a correct
idea of the state of the world
and the progress of the human
mind is the philosopher. He is the
only person who is able to give us
a correct idea of the state of the
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person who is able to give us a
correct idea of the state of the world
and the progress of the human mind.

the necessary quantity of nourishment to
preserve life with health. How frequently
does the Epicurean sacrifice his health,
with all its attendant enjoyments, to
the gratification of his appetite, ^{for} not well
pleased with simple food, tho' the rarest
products of both the vegetable and animal
kingdoms - he is continually inventing new
and complicated dishes of the choicest &
and most delicious articles - still not
content to partake of the richest and most
gustful viands, in moderate quantity -
(what Nature craves). He devours, under the

guise of savoury meats the bane of his health
while he is devising every artificial means
of increasing & whetting his appetite that he
may have the pleasure of feasting it. The sense
of taste is one of the greatest sources of pleas-
ure, with which we are favoured, when only
gratified, as reason & experience dictate, that
is when we eat simply, to satisfy hunger
and afford nourishment to the body. But
not satisfied with the pleasure, Nature has
made us capable of enjoying, we are incessantly
creating artificial methods of heightening this
pleasure first by creating an artificial

appetite and then ransacking the world, for
the means of gratifying those undue desires.

The effect, tho' slow is not a less certain
poison, undermining the constitution of the
gluttonous eater, who tho' sure of being pun-
ished for his folly, by train of haggard diseases
constantly attending on intemperate eating
still he is drawn away, to his destruction
by the alluring feast, and it may be said
he eats himself into the grave.

Our food to be conducive to health and
continuance of life should be taken in
quite moderate quantities, just sufficient to

nourish the body, and the more simple, the better, as in that case we are not so apt to err, with respect to the proper quantity, necessary for our support. If we take too much food, we soon feel oppression and fulness of the stomach, a dull heaviness and slight pain of the head succeeds, indigestion flatulency, and acid eructations - sometimes nausea & vomiting till the stomach relieves itself, of the oppressive load.

There have been many speculations and disputes among writers on the subject of diet, respecting what ought to constitute

the proper food of the Human species, whether
man is to be considered as a carnivorous or
granivorous animal. Some asserting that
He ought to be circumscribed to the vegetable
Kingdom for the articles of his diet, while others
as warmly contend and perhaps with equal
propriety that animal food is necessary for
his nourishment, and that the whole animal
race is to be considered as under the control
of his appetite. These speculations are of
little moment and only to be regarded as
they sometimes do harm by influencing
persons to make ^{too} sudden changes in their

mode of life, as the refraining ^{from} animal and
living entirely on vegetable food or viceversa -
which has sometimes produced unpleasant con-
sequences to their health & sometimes proved
fatal. The excess in quantity and sudden
change from living on one kind of aliment
and substituting in its stead another, may
be considered as the principal circumstances
to be regarded in the regulating of our diet
so as to prevent ill health. We may except
some few with peculiar idiosyncrasies, who are
very singularly affected by certain kinds of
food. Some persons cannot take milk, that

very mild and nutrient fluid, with^{out} excor-
iating great pain and distress. Mrs. H.
informed me She never suffered more
excruciating pains, than she did after having
taken a small quantity of milk. Others
have a violent colic excited by one of the
most delicious articles of food - honey, yet
these articles are in such high esteem as
to be characteristic of a favoured Land -
favoured by Heaven -
Some few cannot eat the flesh of particular
kinds of animals, while others refuse fish.
But there are only a few of ^{the} human race
who may not partake of every species of

diet, in small quantity and their stomachs
will digest it and shortly become so habit-
uated to receive it that they may eat it
with pleasure and satisfaction. I have myself
found it convenient, on removing from one part
of the United States to another, where the
manner of living was different, to learn to
eat that, which at first was quite disgusting
and unpalatable but in time, when my
taste and stomach becoming familiarised to
its use, grew extremely fond of; and what
formerly, the very thoughts of eating of food
would ^{have} almost excited a nausea, by habit is

rendered extremely pleasant. We know from
experience that the human constitution
is formed to be capable of accommodating
itself to almost any mode of living
according to the situation and circumstan-
ces in which we may ^{be placed} be placed by
nature or where we may chance to be cast
by misfortune, so as to enjoy health.

We find people in different parts of the
earth who support life and health most
pleasantly and appear equally attached
to their country, tho' they live on aliment
of very different kinds and of the most

dissimilar properties, taken from the vegetable
or animal kingdom. The Northern tribes
of Europe and America, are said to live
mostly on the rancid oil they extract
from fish, which communicates even to
their breath such an offensive factor as to
sicken their more Southern neighbours, who
fare more delicately; while there are nations
in Africa who feed almost exclusively on
the mucus they obtain from the plant
Acacia, (called Gum arabic). The Hindoos
and Chinese enjoy their rice, while the
English and French are more fond of roast.

the world is full of people who are
in a state of ignorance and
of error and who are in need of
instruction in the ways of
truth and of the knowledge of
God. It is the duty of every
Christian to seek out those who
are in need of instruction and
to bring them to the knowledge
of the truth. This is the great
work of the Christian mission
and it is the work which every
Christian should be engaged in.

beef and rich soups. The Native Inhabitants of the South Sea Islands live chiefly on ripe fruits, which abound more or less in an acid; And the blacks in the West India Islands, are said to fatten on the juice of the cane, during the time they are engaged in manufacturing sugar.

Some Nations seem to be possessed of stomachs adapted to their situation on the globe, formed for collecting substances apparently the most indigestible and unalimentary and extracting therefrom nourishment for their bodies. The

The Laplanders make their bread of powdered
fish bones and the bark of some trees, and
feast on it perhaps with as good a relish as
we do on the finest wheaten loaf. There are
instances of many travellers visiting and
remaining in these countries where the
modes of life are so very diverse, yet
they have been able in a short time to
accommodate themselves to the customs of
their hosts. These circumstances prove the
versatility of our constitutions, and that
it is not so much the quality of the food
we take that is to be regarded as producing

injurious effects as the quantity or the too quick transition from one mode of living or species of diet, to that of another, without affording the stomach time gradually to become acquainted with the newly introduced aliment. We find the functions of the animal economy equally well and as regularly carried on, in those who live on those various kinds of food provided they are temperate. But if they indulge to excess the stomach is thereby too much distended and its functions disordered - its powers of digestion weakened - and indigestion, cardialgia

dyspepsia &c are as certainly the consequence
of surfeit in the Laplander with his fishbone
bread as to the more luxurious Frenchman
who feasts on his rich soups or the English
man who gormendises his high seasoned
dishes of meat.

Many of our most obstinate and afflictive
diseases might be avoided & prevented by
a due attention to & properly regulating
our diet in the early periods of life.
Few children would surfeit themselves
with plain and simple food if given to
them at proper intervals. Their overeating

is most commonly owing to their appetites
being stimulated by rich and high seasoned
dishes, As they have not judgement prop-
erly to regulate the quantity they indulge
to excess, and when ~~the~~ once they have
fallen into the habit, it is very diffi-
cult to restrain them, within the
bounds of moderation. Another mistake
many parents fall into, with respect to
the food of children, that is they keep
them too much on /vapid food not
sufficiently nourishing, fancying ^{it} the most
healthy, of which it is requisite for them

to eat large quantities to receive the
necessary nourishment, as they require
more, than in proportion than persons in
middle life, they so distend the stomach
that when they come to live on a more
nutritious diet they are constantly liable
to eat to excess. Children and youth
ought to be fed on simple food and
as often as the stomach craves it, thus
we avoid all temptation to indulge to excess.
Many parents and others who have the
charge of youth refuse to indulge them
with food in the intervals of their meals

and very commonly make them wait
till the older part of the family have
breakfasted or dined, by which time
they become so hungry as to eat by far
too much for the powers of the stomach
to digest and frequently swallow it with
such greediness, as not to masticate
it sufficiently, that it is with diffi-
culty digested. Thus embryo disease ~~is~~ is
formed & ~~lies~~ lurking in the system for
an opportunity to show ^{itself} ~~itself~~ in future
life - & its effects are only to be avoided
by living abstemiously, like the wise Canars.

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